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Data 7 EDS

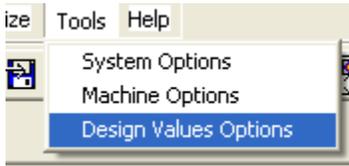
How to digitise columns and curved columns

Step 1:

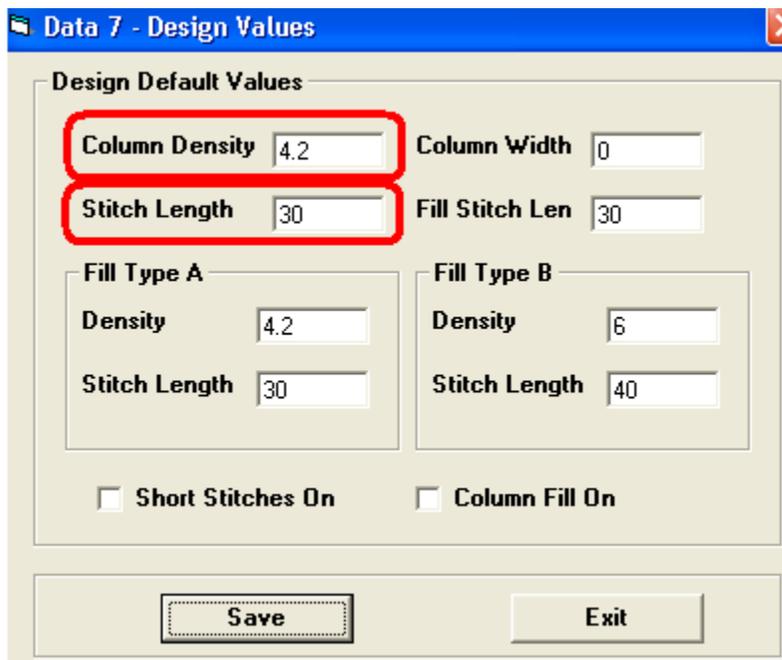
To start, open the Data 7 EDS system.

Step 2: (Design Values)

Set your desired stitch length and density using the EDS design value options as shown below



The stitch length in this example is set to 30 points highlighted below. Each point is 0.1mm and so 30 points = 3.00 mm meaning that each running stitch will be placed 3mm apart from each other. You can change this to your own value if needed.



The Column Density is the distance in points between each column stitch side as show below. $4.2 = 0.42\text{mm}$



You can also use the "Column Width" parameter to increase the width of your digitised columns by that percent. You can find more about these values and others, what they do and how to use them in the "Design Values Tutorial".

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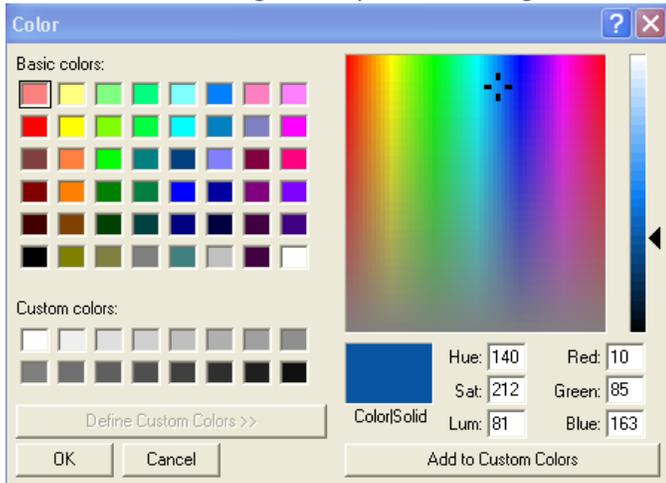
Step 3:

Start a new digitising session by selecting "Start Session" from the "Digitise" menu as show below.



Step4:

Next choose a starting colour you wish to digitize with using the "Color" dialog box as shown below.



Step 5:

Mark the Origin or centre of your design using the left mouse button. This can be anywhere in the digitising window as shown below



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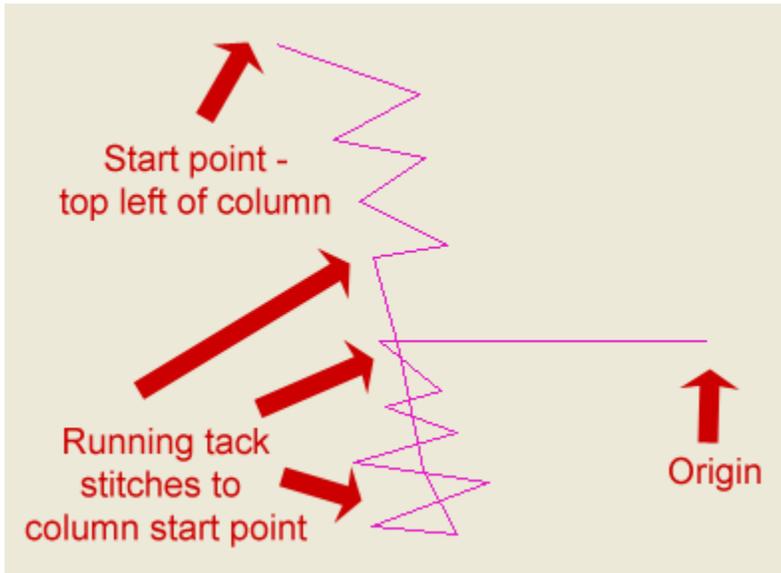
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Step 6: (Digitising a straight column)

Using the left mouse button to place running stitches, straight or curved (see the running stitch tutorial) to your starting point as shown below.



Now we switch to column digitising mode. By default when you start digitising the mode is set to running stitch. We can toggle between running stitch and column stitch at any time by either clicking the “Running Stitch” and “Column stitch” icons below or by pressing the “Enter” key.



So press the “Enter” key now which will switch to column mode. Simply press the “Enter” key again to switch you back to running stitch mode where you’re done.

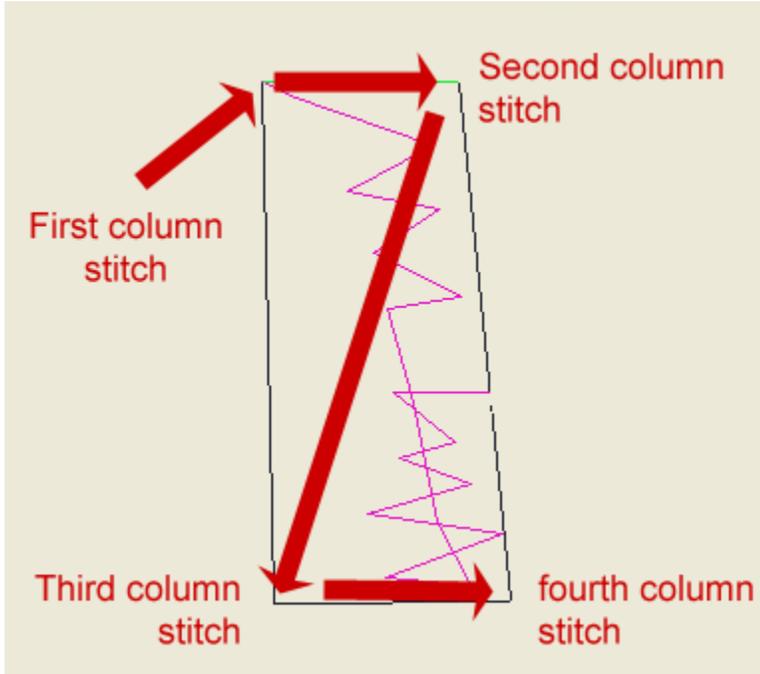
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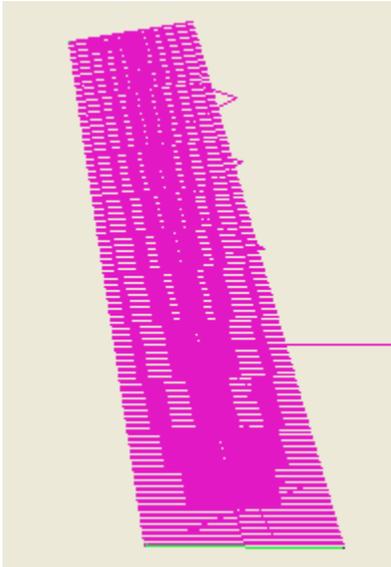
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The sequence of left mouse buttons, for a straight column stitch is as show below:-



This is a zigzag formation. Each time you reach the forth column stitch the column is stitched as show below:-



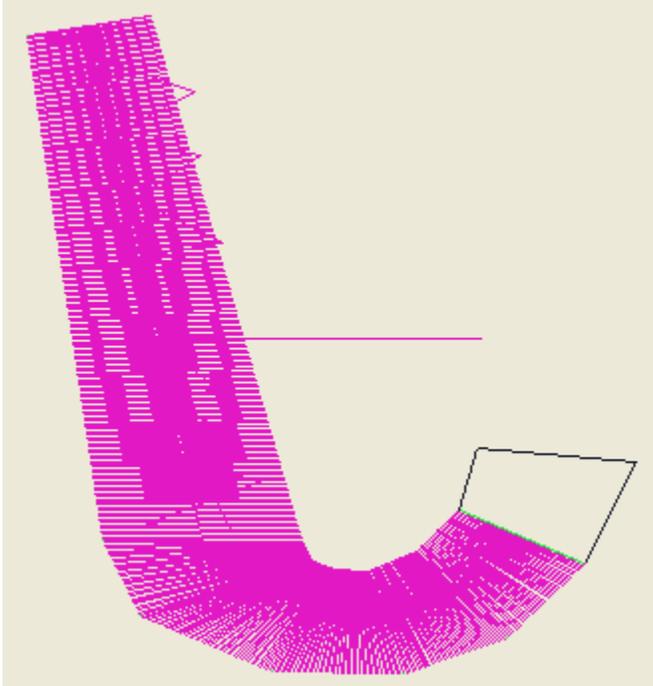
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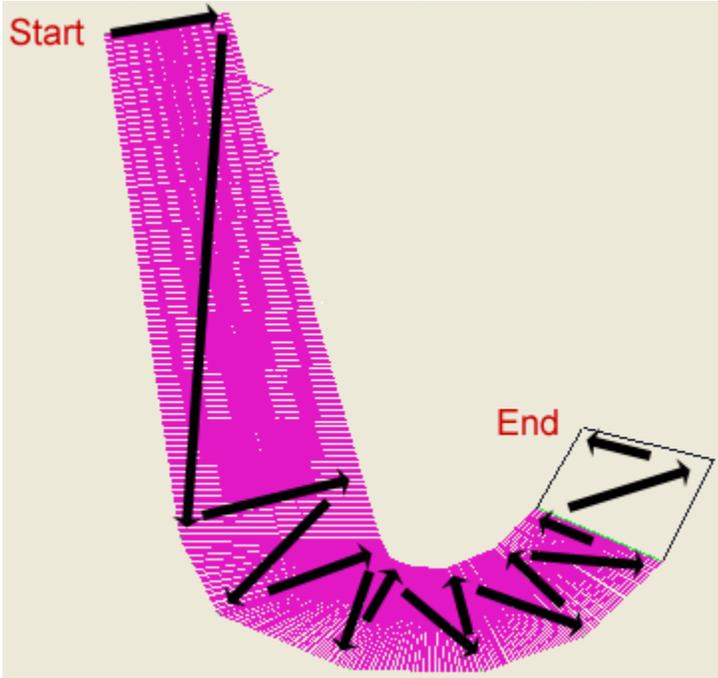
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How to digitise columns and curved columns

Columns can be continued simply by following the same zigzag sequence again and again as shown below:-



The below picture shows the stitch points and sequence that was used to achieve the above:-



Once you have finished your column digitising, simply press the “Enter” key or click the “Running Stitch” icon to drop back to a running stitch. You can then place running stitches to your next location etc...

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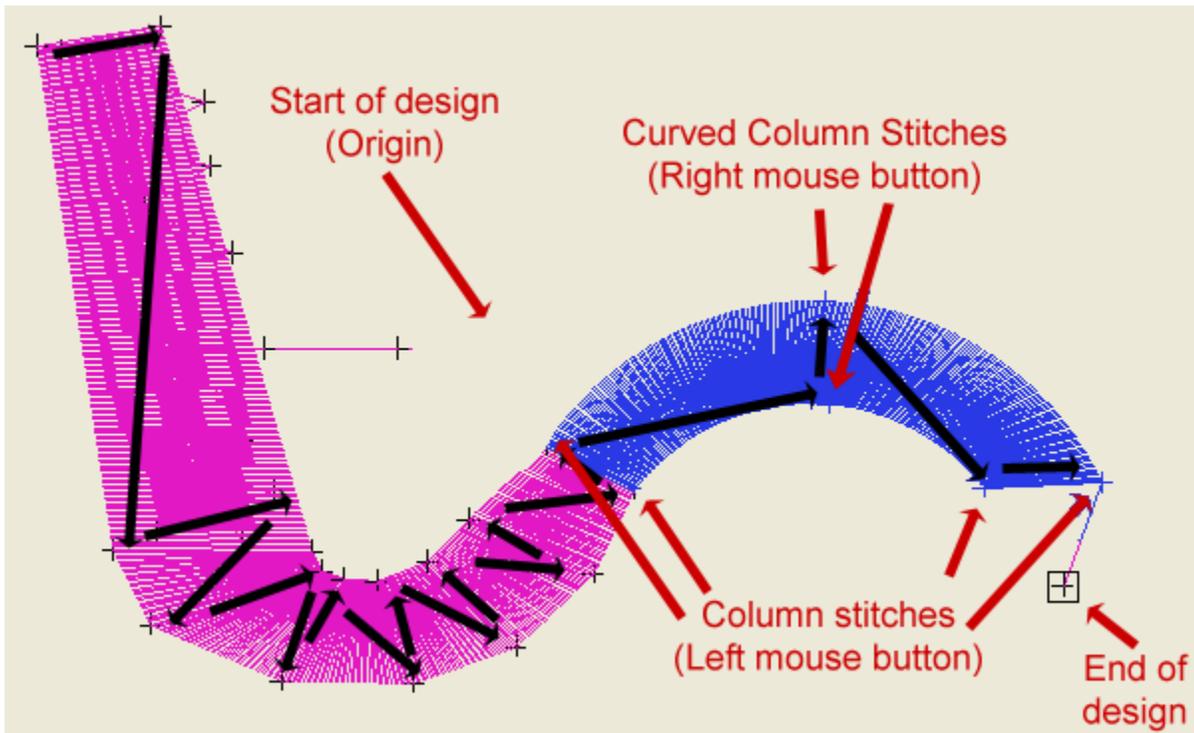
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How to digitise columns and curved columns

Step 7: (Digitising a curved column)

Continuing with the design we have digitised so far, we'll now create a curve column using the column stitch with left and right mouse buttons.

To create curved column we start with 2 column stitches (left mouse button) as shown below - but then we place to curved column stitches (right mouse button) in the middle of the curve still in a zigzag formation (indicated by the black arrows) and then end with 2 column stitches (left mouse button) which creates a curved column as show and highlighted in blue below:-



As with the straight columns you can continue to create further column and curved columns before switching back to running stitch mode.

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Step 8: End Session

Once you have finished your digitising simply click the “End Digitising Session” icon highlighted below



This will then enable you to save the design as a Data 7 condensed design (shown below) which will help you resize the design more easily and will compensate for stitches. More about this in later tutorials.

